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22. (Twice Amended) A surface acoustic wave device comprising a piezoelectric substrate, a first interdigital transducer and a second interdigital transducer formed on a surface of the piezoelectric substrate so that the first and second interdigital transducers are opposed to each other,

wherein the piezoelectric substrate includes a plurality of conductive regions spaced apart from each other on the surface between the first and second interdigital transducers,

the first and second interdigital transducers are not covered with a thin film, and the first and second interdigital transducers directly contact the piezoelectric substrate, and

a tunnel current flows between the first and second interdigital transducers via the conductive regions.

Please add new claim 24 as follows.

24. (New) The surface acoustic wave device according to claim 22, wherein a material of the piezoelectric substrate is the same as a material of the conductive regions.